

# SHALE DEVELOPMENT CORPORATION

HYDROCARBON PROCESSES  
OIL PRODUCTION

313 HIGH STREET • P. O. BOX 44  
REDLANDS, CALIFORNIA 92373

December 10, 1982

*ACT/OWN/005*

STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining  
4241 State Office Building  
Salt Lake City, UT 84114

ATTN: Pamela Grubaugh-Littig

RE: Sand Wash Project  
Bond Estimate

Dear Mrs. Grugaugh-Littig:

Enclosed you will find the estimate of cost to reclaim the Sand Wash Project. As you had surmised, because most of the equipment and facilities are portable, reclamation is minimal.

The land owners have requested that any roads or leveled areas remain for their use which will minimize reseeding or recontouring.

We trust this is the information you requested.

Very truly yours,

SHALE DEVELOPMENT CORPORATION

Delbert D. Thomas  
President

DDT:cp

cc: Sy Young  
John Frezieres  
Lowell Card

**RECEIVED**  
DEC 13 1982

**DIVISION OF  
OIL, GAS & MINING**

DIVISION OF OIL, GAS, AND MINING  
BOND ESTIMATE

OPERATOR: SHALE DEVELOPMENT CORPORATION  
 MINE NAME: Sand Wash Project  
 LOCATION: STATE OF UTAH, SALT LAKE MERIDIAN, TOWNSHIP 11S, Range 18E,  
 COUNTY: Uintah NE $\frac{1}{4}$  Section 29  
 DATE: December 10, 1982 SE $\frac{1}{4}$  Section 29  
 SW $\frac{1}{4}$  Section 28 &

Operation		Amount	Rate	MW $\frac{1}{4}$ of Section 33 Cost
A.	<b>CLEAN-UP</b>			
	1. Removal of structures & equipment.	LS	-0-	3500.00
	2. Removal of trash & debris.	LS	-0-	2500.00
	3. Leveling of ancillary facilities pads and access roads.	To remain	NA	NA
B.	<b>REGRADING &amp; RECONTOURING</b>			
	1. Earthwork including haulage and grading of spoils, waste and overburden.	5000 cu yds	.60	3000.00
	2. Recontouring of highwalls and excavations.	NA	NA	NA
	3. Spreading of soil or surficial materials.	NA	NA	NA
C.	<b>STABILIZATION</b>			
	1. Soil preparation, scarification, fertilization, etc.	5 acres	15.00	75.00
	2. Seeding or planting.	5 acres	20.00	100.00
	3. Construction of terraces, waterbars, etc.	NA	NA	NA
D.	<b>LABOR</b>			
	1. Supervision.	LS	-0-	1000.00
	2. Labor exclusive of bulldozer time.	Include in other categories		
E.	<b>SAFETY</b>			
	1. Erection of fences, portal coverings, etc.	NA	NA	NA
	2. Removal or neutralization of explosive or hazardous materials.	NA	NA	NA
F.	<b>MONITORING</b>			
	1. Continuing or periodic monitoring, sampling & testing deemed necessary.	8 quarterly trips	250.00	2000.00
G.	<b>OTHER</b>			
			TOTAL	12,175.00